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**B61F 3/00****B60L 13/03****B61B 13/06****B61F 5/10****B61F 5/28****E01B 25/30****E01B 37/00**(21) Application number: **2001127940**(22) Date of filing: **25.04.01**(71) Applicant: **TOSHIBA TRANSPORT ENG  
INC/TOSHIBA CORP**(72) Inventor: **KOGA TAKESHI  
KOIZUMI SATOSHI**(54) **TRUCK, TRUCK STRUCTURE, LINEAR MOTOR  
SUPPORTING STRUCTURE AND TRACK LAYING  
METHOD**

(57) Abstract:

**PROBLEM TO BE SOLVED:** To provide an iron wheel linear motor car of a 100% super low floor vehicle type and a track of structure which enables the linear motor car to run on a road face.

**SOLUTION:** A truck structure 1 is constituted in such a way that right and left wheels 2R and 2L are used only for supporting a car body 9 independent of each other without an axle between the wheels 2R and 2L and support a 100% low floor vehicle of which the floor height is 350 mm or less, a super low floor vehicle, and truck frames 5R and 5L are provided between front and rear wheels on the right and left sides, and right and left truck frames are connected at lower positions near the road face so that they don't influence the floor passage 9FL of the super low floor vehicle 9. Linear motors 4R and 4L are arranged on the side of a vehicle side face more than the wheels between the wheels before and behind the truck structure and are loaded on the truck frames. The track 10 is structured in such a way that reaction plates 13R and 13L are arranged so as to oppose to the linear motors 4R and 4L arranged on the

right and left sides of the truck frames, and be in parallel with the rails 12R and 12L on the inside of the frames.

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